

**PALM INTRANET**Day : Tuesday
Date: 5/16/2006
Time: 11:29:41**Inventor Information for 10/821667**

Inventor Name	City	State/Country
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THOMAS, RICHARD J.	SAN DIEGO	CALIFORNIA
RICHARDS, MARK L.	SAN DIEGO	CALIFORNIA
KHATUYA, HARIPADA	SAN DIEGO	CALIFORNIA

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Search Another: Application#

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Attorney Docket #

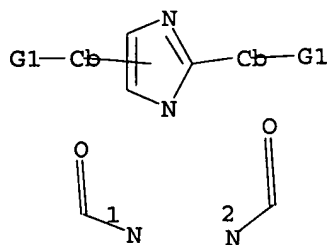
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5/16/06

=> d l1
 L1 HAS NO ANSWERS
 L1 STR



G1 [@1], [@2]

Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'REGISTRY' ENTERED AT 09:55:08 ON 16 MAY 2006)

DEL HIS

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 1 S IMIDAZOLE/CN

L4 1 S BENZENE/CN

L5 516548 S 16.195/RID AND 46.150/RID

L6 0 S L1 SAM SUB=L5

L7 128 S L1 FUL SUB=L5

L8 127 S L7 AND CAPLUS/LC

L9 1 S L7 NOT L8

L10 0 S L7 AND REF.CAPLUS>10

FILE 'CAPLUS' ENTERED AT 09:59:36 ON 16 MAY 2006

L11 36 S L7

88
5/16/06

L11 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:268742 CAPLUS

DOCUMENT NUMBER: 122:163501

TITLE: Manufacture of azomethine dyes, indoaniline dyes, and indophenol dyes

INVENTOR(S): Tanaka, Tatsuo; Komamura, Tawara; Nakayama, Noritaka; Nishiguchi, Ikuzo; Maekawa, Hiroshi; Oono, Toshinobu

PATENT ASSIGNEE(S): Konishiroku Photo Ind., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06263993	A2	19940920	JP 1991-20458	19910121
PRIORITY APPLN. INFO.: GI			JP 1991-20458	19910121

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

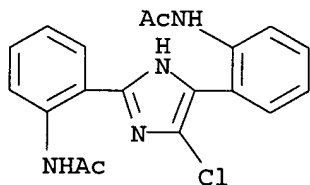
AB Title dyes are manufactured by electrochem. coupling of p-nitrosoaniline, nitrosophenol, or their derivs. with a coupler in the presence of a base. Thus, a solution of I 1.66, II 2.85, Et₃N 2.5, and tetraethylammonium bromide 0.5 g in 50 mL MeOH was subjected to electrolysis using Pt as cathode and anode under a current of 0.1 A for 6 h to give 2.13 g III.

IT 141180-88-3

RL: RCT (Reactant); RACT (Reactant or reagent)

(electrochem. coupling with p-nitrosoaniline derivative)

RN 141180-88-3 CAPLUS

CN Acetamide, N,N'-[(5-chloro-1H-imidazole-2,4-diyl)di-2,1-phenylene]bis-
(9CI) (CA INDEX NAME)

L11 ANSWER 5 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:268742 CAPLUS
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JP 06263993	A2	19940920	JP 1991-20458	19910121
PRIORITY APPLN. INFO.: GI			JP 1991-20458	19910121

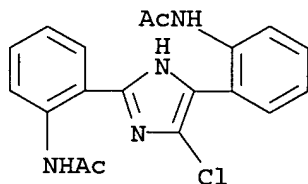
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title dyes are manufactured by electrochem. coupling of p-nitrosoaniline, nitrosophenol, or their derivs. with a coupler in the presence of a base. Thus, a solution of I 1.66, II 2.85, Et₃N 2.5, and tetraethylammonium bromide 0.5 g in 50 mL MeOH was subjected to electrolysis using Pt as cathode and anode under a current of 0.1 A for 6 h to give 2.13 g III.

IT **141180-88-3**
RL: RCT (Reactant); RACT (Reactant or reagent)
(electrochem. coupling with p-nitrosoaniline derivative)

RN 141180-88-3 CAPLUS

CN Acetamide, N,N'-[(5-chloro-1H-imidazole-2,4-diyl)di-2,1-phenylene]bis-
(9CI) (CA INDEX NAME)



L11 ANSWER 33 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:431259 CAPLUS

DOCUMENT NUMBER: 111:31259

TITLE: Silver halide color photographic light-sensitive material containing novel cyan coupler from phenylimidazole compounds

INVENTOR(S): Masukawa, Toyoaki; Nakayama, Noritaka

PATENT ASSIGNEE(S): Konica Co., Japan

SOURCE: Eur. Pat. Appl., 44 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

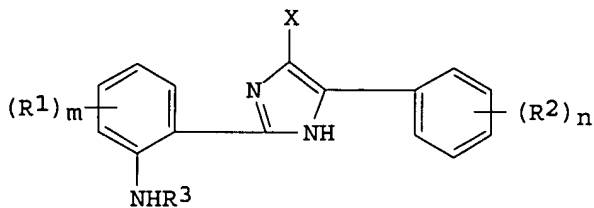
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

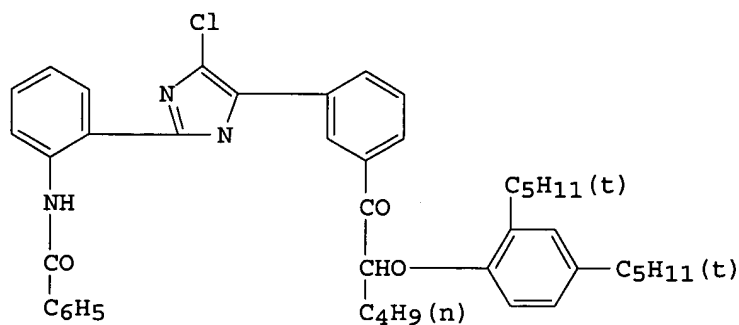
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 304856	A2	19890301	EP 1988-113668	19880823
EP 304856	A3	19890329		
R: DE, GB, IT, NL				
US 5017467	A	19910521	US 1990-596742	19901012
PRIORITY APPLN. INFO.:			JP 1987-211067	A 19870824
			US 1988-235279	B1 19880822
			US 1990-492300	B1 19900228

GI



I



II

AB The title material contains a cyan coupler I [R1, R2 = substituent; R3 = H, alkyl, aryl, COR4, CO2R4, CONR4R5, SO2R4, SO2NR4R5 (R4 = alkyl, aryl, heterocyclic group; R5 = H, alkyl); X = H, group capable of being split off upon reaction with oxidized product of a developing agent; m = 0-4; n = 0-5]. The coupler is excellent in spectral absorption, absorption

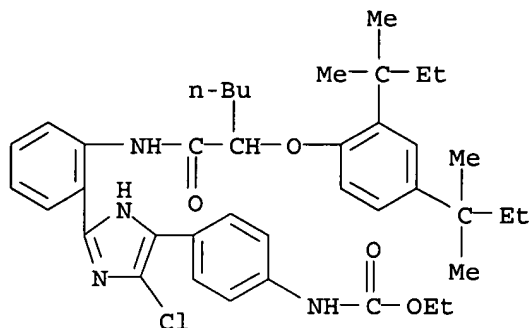
coefficient, and fastness. Thus, II was prepared and used in a color photog. paper to produce high-d. heat-resistant dye image.

IT 121216-54-4 121216-63-5 121216-65-7
121216-66-8

RL: TEM (Technical or engineered material use); USES (Uses)
(photog. cyan coupler, for heat-resistant image)

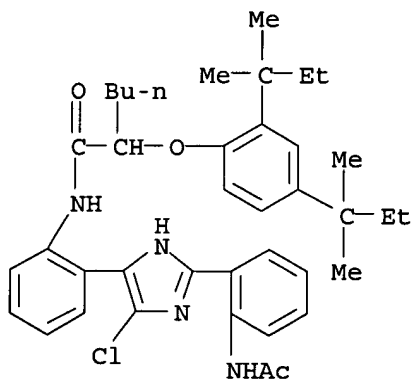
RN 121216-54-4 CAPLUS

CN Carbamic acid, [4-[2-[2-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]-5-chloro-1H-imidazol-4-yl]phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



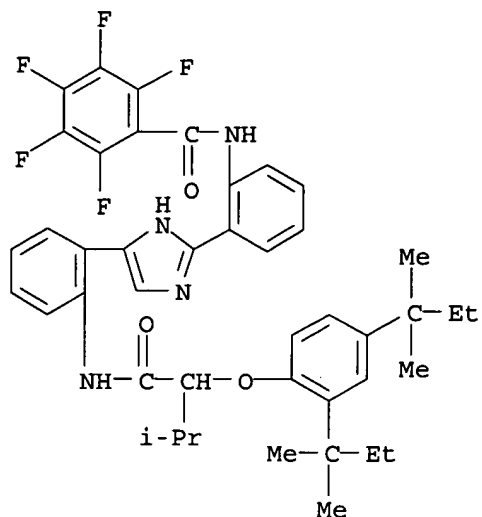
RN 121216-63-5 CAPLUS

CN Hexanamide, N-[2-[2-[2-(acetylamino)phenyl]-5-chloro-1H-imidazol-4-yl]phenyl]-2-[2,4-bis(1,1-dimethylpropyl)phenoxy]- (9CI) (CA INDEX NAME)



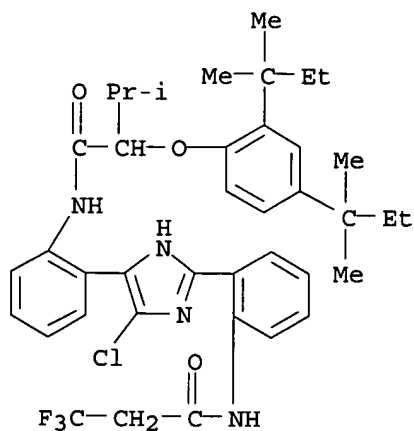
RN 121216-65-7 CAPLUS

CN Benzamide, N-[2-[4-[2-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-3-methyl-1-oxobutyl]amino]phenyl]-1H-imidazol-2-yl]phenyl]-2,3,4,5,6-pentafluoro- (9CI) (CA INDEX NAME)



RN 121216-66-8 CAPLUS

CN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-[5-chloro-2-[2-[(3,3,3-trifluoro-1-oxopropyl)amino]phenyl]-1H-imidazol-4-yl]phenyl]-3-methyl- (9CI) (CA INDEX NAME)

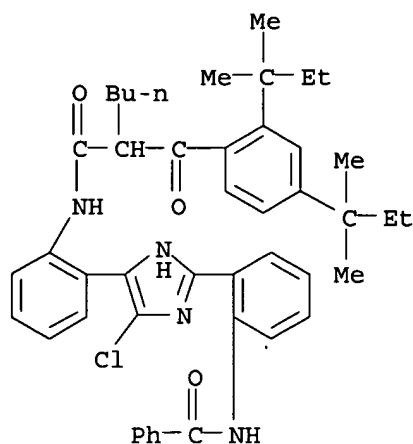


IT 121216-46-4P 121216-47-5P 121216-49-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and use of, as cyan coupler for heat-resistant image)

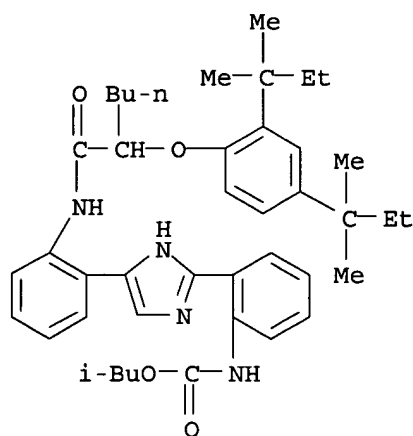
RN 121216-46-4 CAPLUS

CN Benzenepropanamide, N-[2-[2-[2-(benzoylamino)phenyl]-5-chloro-1H-imidazol-4-yl]phenyl]-α-butyl-2,4-bis(1,1-dimethylpropyl)-β-oxo- (9CI)
(CA INDEX NAME)



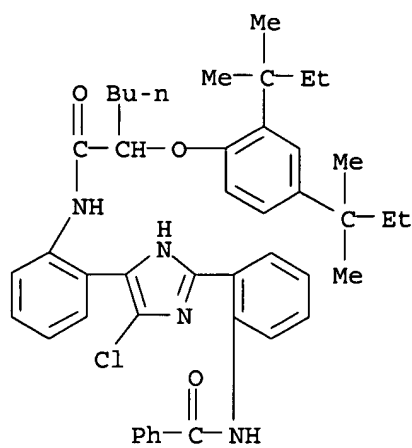
RN 121216-47-5 CAPLUS

CN Carbamic acid, [2-[4-[2-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]-1H-imidazol-2-yl]phenyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



RN 121216-49-7 CAPLUS

CN Benzamide, N-[2-[4-[2-[[2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxohexyl]amino]phenyl]-5-chloro-1H-imidazol-2-yl]phenyl]- (9CI) (CA INDEX NAME)



L11 ANSWER 35 OF 36 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1976:74743 CAPLUS

DOCUMENT NUMBER: 84:74743

TITLE: Polyamides with 2,4-imidazolediyl units

AUTHOR(S): Manecke, Georg; Carl, Brigitte

CORPORATE SOURCE: Inst. Org. Chem., Freie Univ. Berlin, Berlin, Fed. Rep. Ger.

SOURCE: Makromolekulare Chemie (1975), 176(12), 3551-63

CODEN: MACEAK; ISSN: 0025-116X

DOCUMENT TYPE: Journal

LANGUAGE: German

GI For diagram(s), see printed CA Issue.

AB Thermostable 2,4-imidazolediyl-containing polyamides [I, R1 = H, Me; R2 = H, Me; Z = p-C6H4, m-C6H4, p-C6H4OC6H4-p, (CH2)4, (CH2)8] were prepared via polycondensation of 2,4-bis(aminophenyl)imidazoles with aliphatic and aromatic dicarboxylic acid chlorides. DTA curves showed that polyamides in which R2 = H (capable of NH-N hydrogen bonding) had higher polymer melt transition temps. than those in which R2 = Me (no hydrogen bonding). Polyamides having Z = aromatic group had higher decomposition temps. (by 70-100°) in N and in air than polyamides having Z = aliph group. The polyamides having Z = p-C6H4OC6H4-p had high thermal resistance, a fibrous structure, and high inherent viscosity.

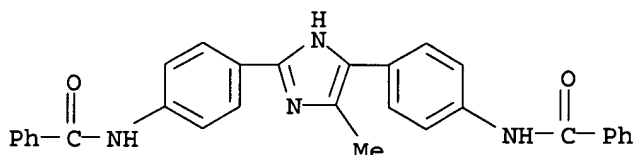
IT 16796-44-4P 58294-21-6P 58294-22-7P

58294-23-8P 58294-26-1P 58294-27-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

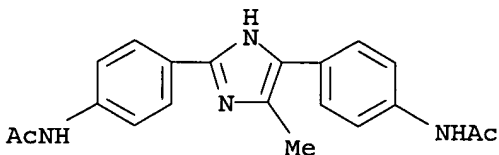
RN 16796-44-4 CAPLUS

CN Benzamide, N,N'-[(5-methyl-1H-imidazole-2,4-diyl)di-4,1-phenylene]bis-
(9CI) (CA INDEX NAME)



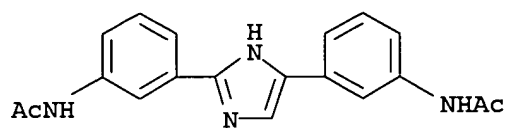
RN 58294-21-6 CAPLUS

CN Acetamide, N,N'-[(5-methyl-1H-imidazole-2,4-diyl)di-4,1-phenylene]bis-
(9CI) (CA INDEX NAME)



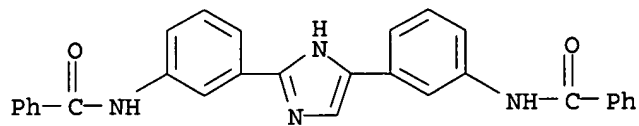
RN 58294-22-7 CAPLUS

CN Acetamide, N,N'-[(1H-imidazole-2,4-diyl)di-3,1-phenylene]bis- (9CI) (CA
INDEX NAME)



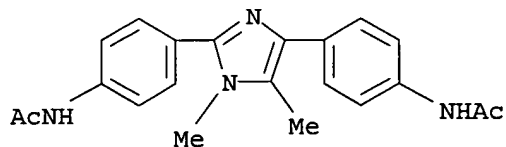
RN 58294-23-8 CAPLUS

CN Benzamide, N,N'-(1H-imidazole-2,4-diyl)di-3,1-phenylenebis- (9CI) (CA INDEX NAME)



RN 58294-26-1 CAPLUS

CN Acetamide, N,N'-[(1,5-dimethyl-1H-imidazole-2,4-diyl)di-4,1-phenylene]bis- (9CI) (CA INDEX NAME)



RN 58294-27-2 CAPLUS

CN Benzamide, N,N'-[(1,5-dimethyl-1H-imidazole-2,4-diyl)di-4,1-phenylene]bis- (9CI) (CA INDEX NAME)

